



U. S. Department of Agriculture
Forest Service
Southeastern Area
State & Private Forestry

FOREST PEST MANAGEMENT

Report No. 81-3-22

Issued: 8/17/81

AERIAL DETECTION SURVEY OF FOREST INSECT
AND DISEASE ACTIVITY, OSCEOLA NATIONAL
FOREST, FLORIDA

LAND OWNERSHIP OR SURVEY AREA: Osceola National Forest

STATE: Florida

AREA WITHIN SURVEY BOUNDARY: 161,814 acres

DATE: August 10, 1981

PERCENT COVERAGE: 25%

AIRCRAFT: Cessna 182

CREW: T.P. Russell, Trudy Brandau

REPORT PREPARED BY: T.P. Russell

SURVEY OBJECTIVES

To detect the presence of forest insect and disease activity within the boundaries of the Osceola National Forest.

SURVEY RESULTS

Ten spots of red topped pine trees were detected on the Osceola National Forest. Two spots were located on private land near the northeast boundary of the forest, (refer to map). The spots were ground checked by Tom Spencer, silviculturist for the Osceola National Forest and were confirmed to be caused by lightning strikes, ips bark beetles, and black turpentine beetles.

CONCLUSION

The results of the aerial detection survey indicate that forest insect activity is presently at a low level on the Osceola National Forest. Field surveillance by National Forest personnel should continue to assist in the early detection of potential forest insect or disease activity.

For additional information, contact:

USDA Forest Service FPM
3620 Interstate 85, N.E.
Northgate Office Park, Room 2103
Doraville, GA 30340
Telephone: 404/221-4796

or

USDA Forest Service FPM
P.O. Box 2570
Asheville, NC 28802
Telephone: 704/258-2850

Table I: Summary of Aerial Survey Data, Osceola National Forest, Florida - August 10, 1981

| Infestation Size (# Trees) | | | | | | | | | |
|----------------------------|---------------|----|---------------|----|---------------|----|---------------|--|---------------|
| Ownership: | 2 - 5 | | 6 - 20 | | 21 -- 50 | | 51 - 100 | | |
| | Spots : Trees | | Spots : Trees | | Spots : Trees | | Spots : Trees | | Spots : Trees |
| | 5 | 24 | 6 | 80 | 1 | 25 | | | |
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**AERIAL SURVEY
OSCEOLA NATL. FOREST**

**FPM - Aerial Survey Team
Doraville, Ga.
8/10/81**

**U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
EDWARD P. CLIFF, CHIEF
OSCEOLA NATIONAL FOREST
FLORIDA
TALLAHASSEE MERIDIAN
1964**

Location and number of
affected trees

